Ecological Sites

Information Organization and

Decision-Making

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Soil Ecology and Ecological Site Inventory

SOME ECOLOGICAL SITE BACKGROUND

- •FOREST SITES (Korstian 1919)
- RANGE SITES (Dykesterhuis 1948)
- •CRITERIA FOR GROUPING SOIL PROPERTIES AND DESCRIBING VEGETATION DYNAMICS

Ecological Sites

- Conceptual groupings
 - Defined by Us
- Drivers include climate, landscape position, soil properties
- Responses include dynamics of soils and vegetation-can be reduced to a set of 'behavior syndromes'
- Interpretations
- A way to organize information spatially

Ecological Site Description Components

- •SITE CHARACTERISTICS-ABIOTIC (climate, soils, landscape position)
- •STATE AND TRANSITION MODELS-BIOTIC (soil/vegetation interactions, drivers of change-wildlife, climate, management)
- •INTERPRETATIONS-VARIETY OF USES
- •REFERENCES

ESDs for Conservation Planning

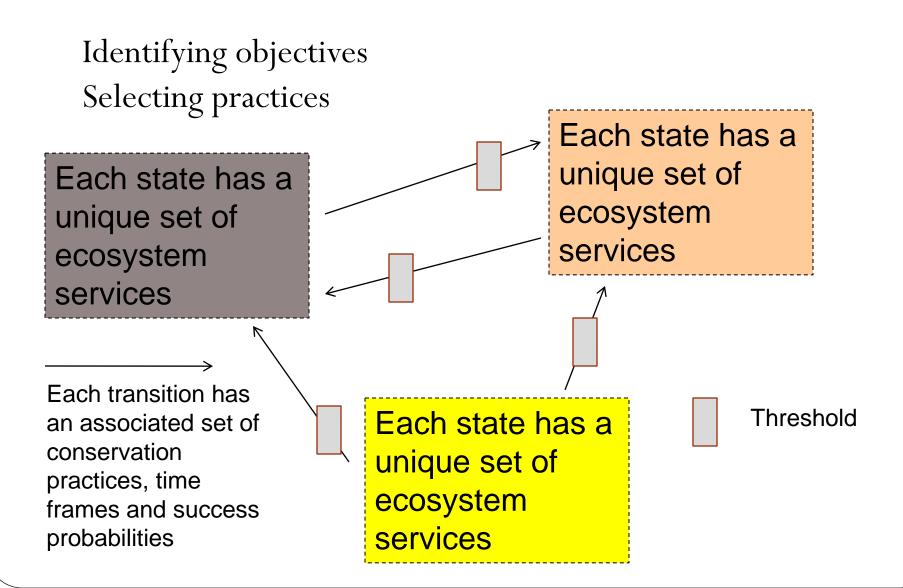
Identifying objectives using a 'multiple potential' approach

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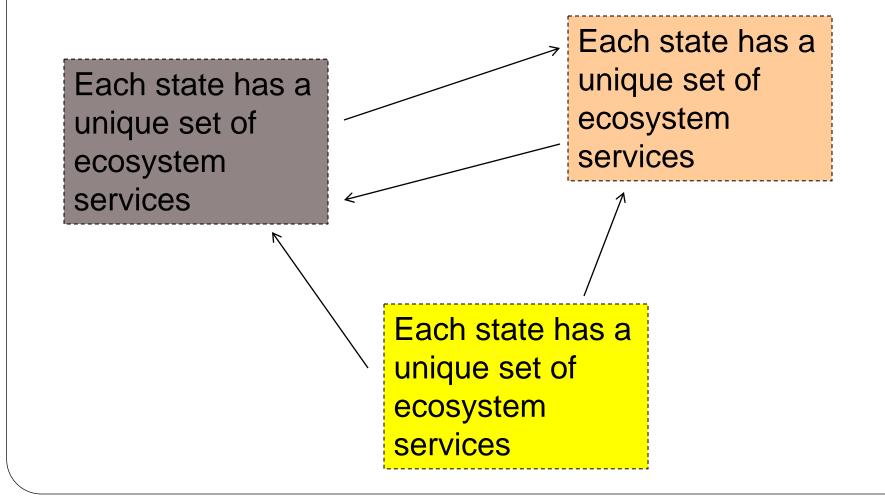
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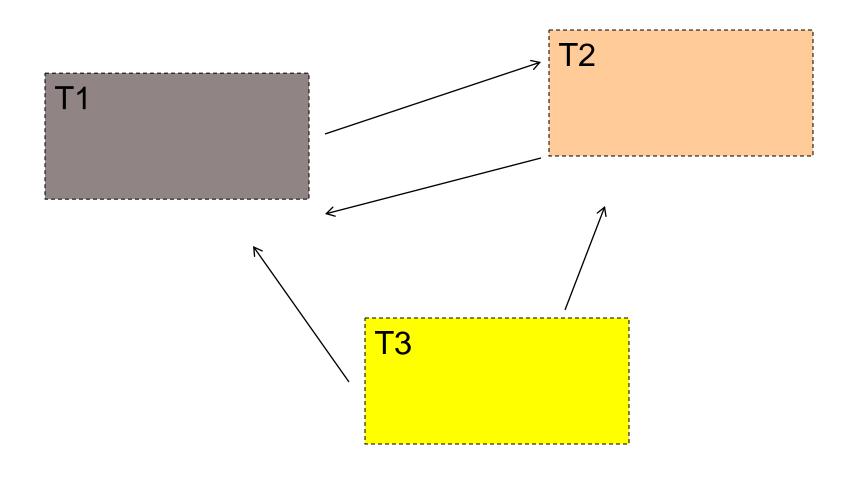
ESDs for Policy Development

Resource allocation, targets for ecosystem services, Cost benefit ratios, probabilities of success, climate change response



ESDs for Monitoring and Assessment

What is the potential, direction of change, cause and effect Attributes associated with each state



CHALLENGES next 12-18mo

Internal Consistency/Inventory

Procedures, guidelines, training

Database development and analysis